

DOCKET NO.: V0139.70071US00  
*1Fr*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Martha K. Newell  
Serial No.: 10/616,865  
Confirmation No.: 1471  
Filed: July 9, 2003  
For: METHODS AND PRODUCTS RELATED TO  
METABOLIC INTERACTIONS IN DISEASE  
Examiner: Not Yet Assigned  
Art Unit: 1636

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 16 day of August, 2005.

  
Helen C. Lockhart

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MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- Information Disclosure Statement
- PTO Form 1449 with cited references
- Return Receipt Postcard

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 646-8000, Boston, Massachusetts.

No check is enclosed. If there is a fee associated with this filing, the balance may be charged to Deposit Account 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,  
*Martha Karen Newell, Applicant*

By:

  
Helen C. Lockhart, Ph.D., Reg. No. 39,248  
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Docket No.: V0139.70071US00  
Date: August 16, 2005  
xNDDx



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**MAIL STOP AMENDMENT**  
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P.O. Box 1450  
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**STATEMENT FILED PURSUANT TO THE DUTY OF**  
**DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

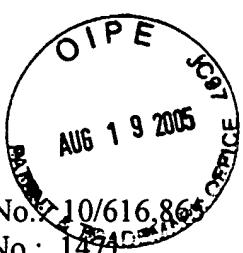
Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

**PART I: Compliance with 37 C.F.R. §1.97**

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.



Serial No. 10/616,865  
Conf. No.: 1471

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Art Unit: 1636

### PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application:

<u>Docket No.</u>	<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
V0139.70028US00	09/277,575	March 27, 1999	Martha K. Newell
V0139.70059US00	09/599,760	June 22, 2000	Martha K. Newell

The Applicant would like to bring to the Examiner's attention the enclosed search report or other communication from a corresponding International Application.

<u>Docket No.</u>	<u>Serial No.</u>	<u>Mailing Date</u>	<u>Type of Communication(s)</u>
V0139.70028WO00	PCT/US99/06874	12 March 1999	International Search Report
V0139.70028WO00	PCT/US99/06874	22 February 2000	Written Opinion
V0139.70059WO00	PCT/US00/17245	18 December 2000	International Search Report
V0139.70059WO00	PCT/US00/17245	25 September 2001	International Preliminary Examination Report

### PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,  
*Martha K. Newell, Applicant*

By:



Helen C. Lockhart, Ph.D., Reg. No. 39,248  
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FORM PTO-1449/A and B (Modified) *AUG 19 2005*

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Sheet 1 of 7

APPLICATION NO.:	10/616,865	ATTY. DOCKET NO.:	V0139.70071US00
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APPLICANT:	Martha K. Newell		
GROUP ART UNIT:	1636	EXAMINER:	Not Yet Assigned

#### U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	*A1	4,724,234		Cone, Jr.	02-09-1988
	*A2	4,935,450		Cone, Jr.	06-19-1990
	*A3	5,556,754		Singer et al.	09-17-1996
	*A4	5,585,363		Scanlon et al.	12-17-1996
	*A5	6,133,946		Cavallaro et al.	10-17-2000
	*A6	2003-0150022	A1	Martha et al.	08-07-2003
	*A7	2004/00054291	A1	Rogers et al.	01-08-2004
	*A8	2005/0042224	A1	Newell	02-24-2005
	*A9	2005/0158333	A1	Newell	07-21-2005

#### FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	*B1	WO	98/02579	A1	Emory University	01-22-1998	
	*B2	WO	98/31396	A1	Duke University et al.	07-23-1998	
	*B3	WO	98/45313	A1	Amylin Pharmaceuticals, Inc.	10-15-1998	
	*B4	WO	98/45438	A1	Beth Israel Deaconess Medical Center	10-15-1998	
	*B5	WO	00/47617	A1	Lexicon Genetics, Inc.	08-17-2000	
	*B6	WO	00/78941	A2	University of Vermont and State Agricultural College	12-28-2000	
	*B7	WO	03/031643	A2	Newell et al.	04/17/2003	

#### OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*C1	AGRAWAL, S. et al. "Antisense therapeutics: is it as simple as complementary base recognition?" <i>Molecular Med. Today</i> , Vol. 6. pp: 72-81, 2000	
	*C2	ARSENIJEVIC et al., Disruption of the uncoupling protein-2 gene in mice reveals a role in immunity and reactive oxygen species production. <i>Nat Genet.</i> 2000 Dec;26(4):435-9.	
	*C3	ASOH et al., Expression of the apoptosis-mediator Fas is enhanced by dysfunctional mitochondria. <i>J Biochem (Tokyo)</i> . 1996 Sep;120(3):600-7.	
	*C4	BABU et al., Genetic control of multisystem autoimmune disease in encephalomyocarditis virus infected BALB/cCUM and BALB/cBYJ mice. <i>Curr Top Microbiol Immunol.</i> 1985;122:154-61.	
	*C5	BACH et al., Insulin-dependent diabetes mellitus as an autoimmune disease. <i>Endocr Rev.</i> 1994 Aug;15(4):516-42.	

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DATE CONSIDERED:

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## OTHER ART — NON PATENT LITERATURE DOCUMENTS

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	*C6	BAGGETTO, Deviant energetic metabolism of glycolytic cancer cells. <i>Biochimie</i> . 1992 Nov;74(11):959-74.	
	*C7	BHUSHAN et al., Drug resistance results in alterations in expression of immune recognition molecules and failure to express Fas (CD95). <i>Immunol Cell Biol</i> . 1998 Aug;76(4):350-6.	
	*C8	BILLINGHAM et al., Activity acquired tolerance of foreign cells. <i>Nature</i> . 1953 Oct 3;172(4379):603-6.	
	*C9	BIRNBOIM et al., Levels of DNA strand breaks and superoxide in phorbol ester-treated human granulocytes. <i>J Cell Biochem</i> . 1997 Aug 1;66(2):219-28.	
	*C10	BÖHME et al., Transgenic mice with I-A on islet cells are normoglycemic but immunologically intolerant. <i>Science</i> . 1989 Jun 9;244(4909):1179-83.	
	*C11	BONFOCO et al., Inducible nonlymphoid expression of Fas ligand is responsible for superantigen-induced peripheral deletion of T cells. <i>Immunity</i> . 1998 Nov;9(5):711-20.	
	*C12	BOUILLAUD, F. et al. "A sequence related to a DNA recognition element is essential for the inhibition by nucleotides of proton transport through the mitochondrial uncoupling protein," <i>The EMBO Journal</i> , Vol. 13, No. 8, pp: 1990-1997, 1994	
	*C13	BRANCH, A. "A good antisense molecule is hard to find," <i>Trends in Biochem. Sci.</i> , Vol. 23, pp: 45-50, 1998	
	*C14	CALDWELL et al., Evaluation of methods for the isolation of plasma membranes displaying guanosine 5'-triphosphate-dependence for the regulation of adenylyl cyclase activity: potential application to the study of other guanosine 5'-triphosphate-dependent transduction systems. <i>Anal Biochem</i> . 1988 Nov 15;175(1):177-90.	
	*C15	CAMBIER et al., Ia binding ligands and cAMP stimulate nuclear translocation of PKC in B lymphocytes. <i>Nature</i> . 1987 Jun 18-24;327(6123):629-32.	
	*C16	CHIEN et al., Fas-induced B cell apoptosis requires an increase in free cytosolic magnesium as an early event. <i>J Biol Chem</i> . 1999 Mar 12;274(11):7059-66.	
	*C17	CHIRILA, T. et al. "The use of synthetic polymers for delivery of therapeutic antisense oligodeoxynucleotides," <i>Biomaterials</i> , Vol. 23, pp: 321-342, 2002	
	*C18	CHISARI et al., Molecular pathogenesis of hepatocellular carcinoma in hepatitis B virus transgenic mice. <i>Cell</i> . 1989 Dec 22;59(6):1145-56.	
	*C19	CLÉMENT et al., Superoxide anion is a natural inhibitor of FAS-mediated cell death. <i>EMBO J</i> . 1996 Jan 15;15(2):216-25.	
	*C20	CONCEIÇÃO-SILVA et al., The resolution of lesions induced by Leishmania major in mice requires a functional Fas (APO-1, CD95) pathway of cytotoxicity. <i>Eur J Immunol</i> . 1998 Jan;28(1):237-45.	
	*C21	COSGROVE et al., Evaluation of the functional equivalence of major histocompatibility complex class II A and E complexes. <i>J Exp Med</i> . 1992 Aug 1;176(2):629-34.	
	*C22	COSGROVE et al., Mice lacking MHC class II molecules. <i>Cell</i> . 1991 Sep 6;66(5):1051-66.	
	*C23	COSSARIZZA et al., Mitochondrial modifications during rat thymocyte apoptosis: a study at the single cell level. <i>Exp Cell Res</i> . 1994 Sep;214(1):323-30.	
	*C24	CRAIGHEAD et al., Diverse patterns of immune and non-immune-mediated disease in EMC M-variant-infected mice. <i>J Autoimmun</i> . 1990 Apr;3 Suppl 1:27-9.	

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	*C25	CREECH et al., MHC genes modify systemic autoimmune disease. The role of the I-E locus. <i>J Immunol.</i> 1996 Jan 15;156(2):812-7.	
	*C26	CROOKE, S. <i>Antisense Research and Application</i> , (Ed. by S. Crooke), pp: 1-50, Springer-Verlag, 1999	
	*C27	DANG et al., Oncogenic alterations of metabolism. <i>Trends Biochem Sci.</i> 1999 Feb;24(2):68-72.	
	*C28	DENIS-POUXVIEL et al., Regulation of mitochondrial hexokinase in cultured HT 29 human cancer cells. An ultrastructural and biochemical study. <i>Biochim Biophys Acta.</i> 1987 Sep 3;902(3):335-48.	
	*C29	DESBARATS et al., Fas (CD95) expression and death-mediating function are induced by CD4 cross-linking on CD4+ T cells. <i>Proc Natl Acad Sci U S A.</i> 1996 Oct 1;93(20):11014-8.	
	*C30	DESBARATS et al., Newly discovered role for Fas ligand in the cell-cycle arrest of CD4+ T cells. <i>Nat Med.</i> 1998 Dec;4(12):1377-82.	
	*C31	ELIOPoulos, AG et al. "CD40 Stimulation Augments Apoptosis In Carcinoma Cell Lines," <i>J. Cellular Biochem</i> , (supplemental 19B), Abstract B8-123, pg. 271, 1995	
	*C32	FLEURY et al., Uncoupling protein-2: a novel gene linked to obesity and hyperinsulinemia. <i>Nat Genet.</i> 1997 Mar;15(3):269-72.	
	*C33	FREEDMAN et al., gamma delta T-cell-human glial cell interactions. II. Relationship between heat shock protein expression and susceptibility to cytolysis. <i>J Neuroimmunol.</i> 1997 Apr;74(1-2):143-8.	
	*C34	FUJIHASHI et al., gamma/delta T cell-deficient mice have impaired mucosal immunoglobulin A responses. <i>J Exp Med.</i> 1996 Apr 1;183(4):1929-35.	
	*C35	GARBAN et al., Signal transduction via human leucocyte antigen class II molecules distinguishes between cord blood, normal, and malignant adult B lymphocytes. <i>Exp Hematol.</i> 1998 Aug;26(9):874-84.	
	*C36	GARLID et al., The mechanism of proton transport mediated by mitochondrial uncoupling proteins. <i>FEBS Lett.</i> 1998 Oct 30;438(1-2):10-4.	
	*C37	GENESTIER et al., Caspase-dependent ceramide production in Fas- and HLA class I-mediated peripheral T cell apoptosis. <i>J Biol Chem.</i> 1998 Feb 27;273(9):5060-6.	
	*C38	GOLSHANI-HEBRONI et al., Hexokinase binding to mitochondria: a basis for proliferative energy metabolism. <i>J Bioenerg Biomembr.</i> 1997 Aug;29(4):331-8.	
	*C39	GONZÁLEZ-BARROSO et al., The uncoupling protein UCP1 does not increase the proton conductance of the inner mitochondrial membrane by functioning as a fatty acid anion transporter. <i>J Biol Chem.</i> 1998 Jun 19;273(25):15528-32.	
	*C40	GORER et al., The genetic and antigenic basis of tumour transplantation. <i>J Pathol.</i> 1937;44:691-7.	
	*C41	GRAY et al., Mitochondrial evolution. <i>Science.</i> 1999 Mar 5;283(5407):1476-81.	
	*C42	GREINER et al., Glucose is essential for proliferation and the glycolytic enzyme induction that provokes a transition to glycolytic energy production. <i>J Biol Chem.</i> 1994 Dec 16;269(50):31484-90.	
	*C43	HARPER et al., Use of top-down elasticity analysis to identify sites of thyroid hormone-induced thermogenesis. <i>Proc Soc Exp Biol Med.</i> 1995 Mar;208(3):228-37.	

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	*C44	HATEFI et al., Nicotinamide nucleotide transhydrogenase: a model for utilization of substrate binding energy for proton translocation. FASEB J. 1996 Mar;10(4):444-52.	
	*C45	HAYNES et al., Helper-inducer T-lymphocytes mediate diabetes in EMC-infected BALB/c ByJ mice. Diabetes. 1987 Jul;36(7):877-81.	
	*C46	HERMESH et al., Mitochondria uncoupling by a long chain fatty acyl analogue. J Biol Chem. 1998 Feb 13;273(7):3937-42.	
	*C47	HESS et al., Cooperation of glycolytic enzymes. Adv Enzyme Regul. 1969;7:149-67.	
	*C48	HIMMS-HAGEN et al., Chapter 2: Brown adipose tissue metabolism. in <i>Obesity</i> . Per Björntorp et al., eds. J.B. Lippincott Company, Philadelphia, PA: 1992. p15-34.	
	*C49	HOSOKAWA et al., Beta-cell hypersensitivity to glucose following 24-h exposure of rat islets to fatty acids. Diabetologia. 1997 Apr;40(4):392-7.	
	*C50	HUBER et al., Differential Th1 and Th2 cell responses in male and female BALB/c mice infected with coxsackievirus group B type 3. J Virol. 1994 Aug;68(8):5126-32.	
	*C51	HUBER et al., Modulation of cytokine expression by CD4+ T cells during coxsackievirus B3 infections of BALB/c mice initiated by cells expressing the gamma delta + T-cell receptor. J Virol. 1996 May;70(5):3039-44.	
	*C52	KANG et al., Fas ligand expression in islets of Langerhans does not confer immune privilege and instead targets them for rapid destruction. Nat Med. 1997 Jul;3(7):738-43.	
	*C53	KENNEDY et al., Effects of depletion of mitochondrial DNA in metabolism secretion coupling in INS-1 cells. Diabetes. 1998 Mar;47(3):374-80.	
	*C54	KIBERSTIS et al., Mitochondria make a comeback. Sience. 1999 Mar 5;283(5407):1475.	
	*C55	KORSHUNOV et al., Fatty acids as natural uncouplers preventing generation of O2- and H2O2 by mitochondria in the resting state. FEBS Lett. 1998 Sep 18;435(2-3):215-8.	
	*C56	LARROUY et al., Kupffer cells are a dominant site of uncoupling protein 2 expression in rat liver. Biochem Biophys Res Commun. 1997 Jun 27;235(3):760-4.	
	*C57	LEFRANCOIS et al., Extrathymic selection of TCR gamma delta + T cells by class II major histocompatibility complex molecules. Cell. 1990 Oct 19;63(2):333-40.	
	*C58	LE MEUR et al., Correcting an immune-response deficiency by creating E alpha gene transgenic mice. Nature. 1985 Jul 4-10;316(6023):38-42.	
	*C59	LE MEUR et al., Restricted assembly of MHC class II molecules in transgenic mice. J Immunol. 1989 Jan 1;142(1):323-7.	
	*C60	LEE et al., HLA-DR-mediated signals for hematopoiesis and induction of apoptosis involve but are not limited to a nitric oxide pathway. Blood. 1997 Jul 1;90(1):217-25.	
	*C61	LOBATO, M. et al. "Intracellular antibodies and challenges facing their use as therapeutic agents," <i>Trends in Molecular Medicine</i> , Vol 9, No. 9, pp: 390-396, 2003	
	*C62	LOGAN et al., A glycyl radical site in the crystal structure of a class III ribonucleotide reductase. Science. 1999 Mar 5;283(5407):1499-504.	
	*C63	LOUDON et al., An attenuated variant of Coxsackievirus B3 preferentially induces immunoregulatory T cells in vivo. J Virol. 1991 Nov;65(11):5813-9.	
	*C64	LUFT et al., Mitochondrial medicine. J Intern Med. 1995 Nov;238(5):405-21.	
	*C65	LÜHDER et al., Major histocompatibility complex class II molecules can protect from diabetes by positively selecting T cells with additional specificities. J Exp Med. 1998 Feb 2;187(3):379-87.	

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	*C66	MACKANESS et al., The J. Burns Amberson LECTURE The induction and expression of cell-mediated hypersensitivity in the lung. <i>Am Rev Respir Dis.</i> 1971 Dec;104(6):813-28.	
	*C67	MARZO et al., Bax and adenine nucleotide translocator cooperate in the mitochondrial control of apoptosis. <i>Science.</i> 1998 Sep 25;281(5385):2027-31.	
	*C68	MAURICIO et al., Apoptosis and the pathogenesis of IDDM: a question of life and death. <i>Diabetes.</i> 1998 Oct;47(10):1537-43.	
	*C69	MEUER et al., Cellular signalling in T lymphocytes. <i>Immunol Today.</i> 1989 Aug;10(8):S23-5.	
	*C70	MEYER et al., Giant cell myocarditis due to coxsackie B2 virus infection. <i>Cardiology.</i> 1997 May-Jun;88(3):296-9.	
	*C71	MIEZA et al., Selective reduction of V alpha 14+ NK T cells associated with disease development in autoimmune-prone mice. <i>J Immunol.</i> 1996 May 15;156(10):4035-40.	
	*C72	MORIMOTO et al., Overcoming tumor necrosis factor and drug resistance of human tumor cell lines by combination treatment with anti-Fas antibody and drugs or toxins. <i>Cancer Res.</i> 1993 Jun 1;53(11):2591-6.	
	*C73	NAKAMOTO et al., Immune pathogenesis of hepatocellular carcinoma. <i>J Exp Med.</i> 1998 Jul 20;188(2):341-50.	
	*C74	NEGRE-SALVAYRE et al., A role for uncoupling protein-2 as a regulator of mitochondrial hydrogen peroxide generation. <i>FASEB J.</i> 1997 Aug;11(10):809-15.	
	*C75	NEWELL et al., Biochemical characterization of proteins that co-purify with class II antigens of the murine MHC. <i>J Immunol.</i> 1988 Mar 15;140(6):1930-8.	
	*C76	NEWELL et al., Death of mature T cells by separate ligation of CD4 and the T-cell receptor for antigen. <i>Nature.</i> 1990 Sep 20;347(6290):286-9.	
	*C77	NEWELL et al., Ligation of major histocompatibility complex class II molecules mediates apoptotic cell death in resting B lymphocytes. <i>Proc Natl Acad Sci U S A.</i> 1993 Nov 15;90(22):10459-63.	
	*C78	PALU, G. et al. "In pursuit of new developments for gene therapy of human diseases," <i>Journal of Biotech.</i> Vol. 68, pp: 1-13, 1999	
	*C79	PECQUEUR et al., Uncoupling protein 2, in vivo distribution, induction upon oxidative stress, and evidence for translational regulation. <i>J Biol Chem.</i> 2001 Mar 23;276(12):8705-12. Epub 2000 Nov 29.	
	*C80	PIHL-CAREY, K. "Disease Drug Fails in Phase III," <i>BioWorld Today</i> , Vol. 10, pp: 1-2, 1999	
	*C81	POSSELT et al., Induction of donor-specific unresponsiveness by intrathymic islet transplantation. <i>Science.</i> 1990 Sep 14;249(4974):1293-5.	
	*C82	REYES et al., The proinflammatory cytokine network: interactions in the CNS and blood of rhesus monkeys. <i>Am J Physiol.</i> 1998 Jan;274(1 Pt 2):R139-44.	
	*C83	RUIZ-RUIZ et al., Activation of protein kinase C attenuates early signals in Fas-mediated apoptosis. <i>Eur J Immunol.</i> 1997 Jun;27(6):1442-50.	
	*C84	RUSTENBECK et al., Energetic requirement of insulin secretion distal to calcium influx. <i>Diabetes.</i> 1997 Aug;46(8):1305-11.	
	*C85	SARASTE et al., Oxidative phosphorylation at the fin de siecle. <i>Science.</i> 1999 Mar 5;283(5407):1488-93.	

EXAMINER:

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FORM PTO-1449/A and B (Modified) <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				APPLICATION NO.: 10/616,865	ATTY. DOCKET NO.: V0139.70071US00
				FILING DATE: July 9, 2003	CONFIRMATION NO.: 1471
				APPLICANT: Martha K. Newell	
				GROUP ART UNIT: 1636	EXAMINER: Not Yet Assigned
Sheet	6	of	7		

**OTHER ART — NON PATENT LITERATURE DOCUMENTS**

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*C86	SATOH et al., Changes in mitochondrial membrane potential during oxidative stress-induced apoptosis in PC12 cells. <i>J Neurosci Res.</i> 1997 Nov 1;50(3):413-20.	
	*C87	SCAFFIDI et al., Two CD95 (APO-1/Fas) signaling pathways. <i>EMBO J.</i> 1998 Mar 16;17(6):1675-87.	
	*C88	SCHATTNER et al., CD40 ligation induces Apo-1/Fas expression on human B lymphocytes and facilitates apoptosis through the Apo-1/Fas pathway. <i>J Exp Med.</i> 1995 Nov 1;182(5):1557-65.	
	*C89	SCHILD et al., The nature of major histocompatibility complex recognition by gamma delta T cells. <i>Cell.</i> 1994 Jan 14;76(1):29-37.	
	*C90	SCHREZENMEIER et al., Inactivation of a T cell receptor-associated GTP-binding protein by antibody-induced modulation of the T cell receptor/CD3 complex. <i>J Exp Med.</i> 1988 Aug 1;168(2):817-22.	
	*C91	SCIORATI et al., Autocrine nitric oxide modulates CD95-induced apoptosis in gammadelta T lymphocytes. <i>J Biol Chem.</i> 1997 Sep 12;272(37):23211-5.	
	*C92	SKERRETT et al., New transplant method evades immune attack. <i>Science.</i> 1990 Sep 14;249(4974):1248.	
	*C93	SNELL et al., Some recollections of Peter Gorer and his work on this fiftieth anniversary of his discovery of H-2. <i>Immunogenetics.</i> 1986;24(6):339-40.	
	*C94	SNELL et al., The Nobel Lectures in Immunology. Lecture for the Nobel Prize for Physiology or Medicine, 1980: Studies in histocompatibility. <i>Scand J Immunol.</i> 1992 Oct;36(4):513-26.	
	*C95	STAYTON, P. et al. "Molecular engineering of proteins and polymers for targeting and intracellular delivery of therapeutics," <i>Journal of Controlled Releases</i> , Vol. 65, pp: 203-220, 2000	
	*C96	STREET et al., Interferon-gamma enhances susceptibility of cervical cancer cells to lysis by tumor-specific cytotoxic T cells. <i>Gynecol Oncol.</i> 1997 May;65(2):265-72.	
	*C97	SUMMERFIELD et al., Lymphocyte apoptosis during classical swine fever: implication of activation-induced cell death. <i>J Virol.</i> 1998 Mar;72(3):1853-61.	
	*C98	SUZUKI et al., Maximal proliferation of cytotoxic T lymphocytes requires reverse signaling through Fas ligand. <i>J Exp Med.</i> 1998 Jan 5;187(1):123-8.	
	*C99	TANEJA et al., Expression of the H2-E molecule mediates protection to collagen-induced arthritis in HLA-DQ8 transgenic mice: role of cytokines. <i>Int Immunol.</i> 1997 Aug;9(8):1213-9.	
	*C100	TERUYA et al., Pancreatic islet function in nondiabetic and diabetic BB rats. <i>Diabetes.</i> 1993 Sep;42(9):1310-7.	
	*C101	TIAN et al., Attenuation of inducible Th2 immunity with autoimmune disease progression. <i>J Immunol.</i> 1998 Nov 15;161(10):5399-403.	
	*C102	TRUMAN et al., HLA class II-mediated death is induced via Fas/Fas ligand interactions in human splenic B lymphocytes. <i>Blood.</i> 1997 Mar 15;89(6):1996-2007.	
	*C103	TRUMAN et al., HLA class II signaling mediates cellular activation and programmed cell death. <i>Exp Hematol.</i> 1996 Oct;24(12):1409-15.	
	*C104	VIDAL-PUIG et al., Uncoupling expectations. <i>Nat Genet.</i> 2000 Dec;26(4):387-8.	
	*C105	WALLACE et al., Mitochondrial diseases in man and mouse. <i>Science.</i> 1999 Mar 5;283(5407):1482-8.	
	*C106	WILKENS et al., ATP synthase's second stalk comes into focus. <i>Nature.</i> 1998 May 7;393(6680):29.	

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	*C107	YAFFE et al., The machinery of mitochondrial inheritance and behavior. <i>Science</i> . 1999 Mar 5;283(5407):1493-7.	
	*C108	ZHANG et al., LAT: the ZAP-70 tyrosine kinase substrate that links T cell receptor to cellular activation. <i>Cell</i> . 1998 Jan 9;92(1):83-92.	
	*C109	ZINKERNAGEL et al., The discovery of MHC restriction. <i>Immunol Today</i> . 1997 Jan;18(1):14-7.	

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#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/277,575, filed March 27, 1999, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office hereby waives the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC 371 after June 30, 2003. See 37 CFR 1.491(b). For all patent applications filed on or before June 30, 2003, copies of cited U.S. patents and patent application publications are still required unless an eIDS is filed. Copies of all other patent(s), publication(s), or other information listed must still be provided, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]